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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/542,713	03/31/2006	Valery Baev	175.8243USU	5783	
27623	7590 11/02/2006		EXAM	EXAMINER	
•	OHLANDT, GREELEY, RUGGIERO & PERLE, LLP ONE LANDMARK SQUARE, 10TH FLOOR			HELLNER, MARK	
STAMFORD,		OOK	ART UNIT	PAPER NUMBER	
			3663		

DATE MAILED: 11/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/542,713	BAEV ET AL.	
Office Action Summary	Examiner	Art Unit	
·	Mark Hellner	3663	
The MAILING DATE of this communication apperiod for Reply	ppears on the cover sheet	with the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPI WHICHEVER IS LONGER, FROM THE MAILING [- Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the maili earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUN. .136(a). In no event, however, may d will apply and will expire SIX (6) Made te, cause the application to become	IICATION. a reply be timely filed DNTHS from the mailing date of this communic ABANDONED (35 U.S.C. § 133).	
Status			
Responsive to communication(s) filed on 2a) ☐ This action is FINAL. 2b) ☐ Th 3) ☐ Since this application is in condition for allowed closed in accordance with the practice under	is action is non-final. ance except for formal ma		s is
Disposition of Claims			
4) ⊠ Claim(s) <u>1-27</u> is/are pending in the application 4a) Of the above claim(s) is/are withdrays 5) ⊠ Claim(s) <u>23-27</u> is/are allowed. 6) ⊠ Claim(s) <u>1.5-7,9-11 and 19-21</u> is/are rejected to 7) ⊠ Claim(s) <u>2-4,8,12-18 and 22</u> is/are objected to the subject to restriction and/	awn from consideration o.		
Application Papers			
9) The specification is objected to by the Examination The drawing(s) filed on is/are: a) according an applicant may not request that any objection to the Replacement drawing sheet(s) including the correction The oath or declaration is objected to by the Examination is objected.	cepted or b) objected t e drawing(s) be held in abey ction is required if the drawir	ance. See 37 CFR 1.85(a). ag(s) is objected to. See 37 CFR 1.12	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the pri application from the International Bures * See the attached detailed Office action for a list	nts have been received. Its have been received in ority documents have been au (PCT Rule 17.2(a)).	Application No n received in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper N	v Summary (PTO-413) o(s)/Mail Date f Informal Patent Application	

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DETAILED ACTION

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 5-7, 10, 11 and 19-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mears et al in view of Hakimi et al.

Mears et al disclose a fiber laser comprising: a fiber (1) for generating laser light having an entrance side (3) and an exit side (5); a pumped light source (14) for generating pumped light adapted to be coupled to the fiber through the entrance side; and resonator units (7 and 9) provide at the entrance and/or exit sides for feeding light at a resonant wavelength range at the entrance and exit sides.

The difference between claim 1 and Mears et al is that one of the resonant units comprise at least one dielectric layer of variable optical thickness to set the emission range.

Hakimi et al teach that it was known at the time of the present application to have used an etalon made from electro-optic materials (dielectric) as an end reflector in a fiber laser in order to tune the frequency.

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It would have been obvious to have applied the teaching of Hakimi et al to the device of Mears et al when seeking the desired result of wavelength tuning, thus producing claim 1.

Claims 5-7, 10, 11 and 19-21 are taught by the etalon disclosed by Hakimi et al.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 9 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The term "gap" is not recited by claim 1.

It appears that claim 9 should depend on claim 8.

Claims 2-4, 8, 12-18 and 22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Allowable Subject Matter

Claims 23-27 are allowed.

The generation of a regulating signal is not taught or suggested by the prior art within the context of claim 23.

Claims 24-27 are derived from claim 23.

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The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. USPN 7,027,467 teaches a related Patent. USPN 6,829,256 teaches known fiber laser structure.

Any inquiry concerning this communication should be directed to Mark Hellner at telephone number 571 272 6981.

Mark Hellner

Primary Examiner

AU 3663

mark Hellen